

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2062	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2062 Stewart	U	12.35						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.26		1.26	10.20%				
Trim / Thin Trees	0.02		0.02	0.16%				
Encroachments	1.80		1.80	14.58%				
Animal Control	0.10		0.10	0.81%				
Slope Stability	0.02		0.02	0.16%				
Erosion / Bank Caving	0.03		0.03	0.24%				
Crown Surface / Depressions / Rutting		0.22	0.88	7.13%				
<i>Supplemental</i>								
DWR Erosion Survey	0.17	0.19	0.93	7.53%				
<i>LMA Totals:</i>	3.40	0.41	5.04	40.81%	0.00	0.00	0.00	0.00

Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2062	U	2.69						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Animal Control	0.04		0.04	1.49%				
Slope Stability	0.02		0.02	0.74%				
Erosion / Bank Caving	0.02		0.02	0.74%				
Crown Surface / Depressions / Rutting		0.22	0.88	32.71%				
<i>Supplemental</i>								
DWR Erosion Survey	0.01		0.01	0.37%				
<i>Unit Totals:</i>	0.09	0.22	0.97	36.06%	0.00	0.00	0.00	0.00

Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles						
RD2062	U	4.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.26		1.26	31.27%				
Trim / Thin Trees	0.01		0.01	0.25%				
Encroachments	1.78		1.78	44.17%				
Animal Control	0.04		0.04	0.99%				
<i>Supplemental</i>								
DWR Erosion Survey	0.11		0.11	2.73%				
<i>Unit Totals:</i>	3.20	0.00	3.20	79.40%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 03 Old River LB		Overall Unit Rating	Total Unit Miles						
RD2062		M	5.63						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Trim / Thin Trees	0.01		0.01	0.18%					
Encroachments	0.02		0.02	0.36%					
Animal Control	0.02		0.02	0.36%					
Erosion / Bank Caving	0.01		0.01	0.18%					
<i>Supplemental</i>									
DWR Erosion Survey	0.05	0.19	0.81	14.39%					
<i>Unit Totals:</i>	0.11	0.19	0.87	15.45%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Reclamation District No. 2062 Stewart

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.69
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/17/2012 - 05/17/2012		10/25/2012 - 10/25/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Michael Moncrief MBK		Michael Moncrief MBK	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	2
DWR ID: DWR_RD2062_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma	Inspector Comments: On trailers next to district office.	°	°	5
DWR ID: DWR_RD2062_01_s_2012_5										
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	8
DWR ID: DWR_RD2062_01_s_2012_8										
4	0.49	0.49	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: 2 burrows, which may be cause of erosion at this location.	37.804807 ° -121.320754 °	37.804807 ° -121.320754 °	4 Y
DWR ID: DWR_RD2062_01_s_2012_4										
5	0.50	0.50	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion taking place at edge of crown.	37.804716 ° -121.320511 °	37.804716 ° -121.320511 °	3 Y
DWR ID: DWR_RD2062_01_s_2012_3										
6	0.57	0.57	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Levee crown is approximately 100' at this point.	37.805106 ° -121.319154 °	37.805106 ° -121.319154 °	6 Y
DWR ID: DWR_RD2062_01_s_2012_6										
7	0.81	0.81	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.804747 ° -121.315183 °	37.804747 ° -121.315183 °	7
DWR ID: DWR_RD2062_01_s_2012_7										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
8	0.91	0.91	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant changes observed on site. Vegetation on the slope. There is a bridge construction site just upstream of the erosion. The impact of the construction may need to be monitored. 09/07/2010: No significant changes observed on site. Sloughing of the existing rip rap revetment on the lower slope has developed into an erosion pocket. There is moderate annual grass growth on the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: Per Michael Moncrief of MBK, site is scheduled for repair this year. 2009: Landside ground surface has been raised to the height of the levee crown; sloughing of the existing rip rap revetment on the lower slope that has created a pocket, exposing underlying soil; Site # is the same RM54.34,LM1.08; previously rated "M". 2006: Previously marked with stake. [2012 Site ID:RD2062U01RM54.14]	37.804080 ° -121.314060 °	37.804080 ° -121.314060 °	1 Y
9	1.18	1.40	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U Ma	C2 : Repair depressions or ruts in the crown or slope. Inspector Comments: High shoulder and slope of road will cause deep ponding. Approximately 1' deep.	37.800147 ° -121.313703 °	37.797164 ° -121.313976 °	15 Y
10	1.67	1.67	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma		37.793516 ° -121.315335 °	37.793516 ° -121.315335 °	10
11	1.83	1.83	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791873 ° -121.313350 °	37.791873 ° -121.313350 °	11 Y
12	1.84	1.84	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791887 ° -121.313178 °	37.791887 ° -121.313178 °	16
13	1.85	1.85	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791798 ° -121.312904 °	37.791798 ° -121.312904 °	12
14	2.04	2.04	Earthen Levee	Slope Stability	WS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.792877 ° -121.310063 °	37.792877 ° -121.310063 °	9
15	2.10	2.10	Earthen Levee	Slope Stability	WS	M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Damage at hinge point appears to be caused by heavy equipment traffic.	37.793656 ° -121.309610 °	37.793656 ° -121.309610 °	13 Y

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Crown
Category	Earthen Levee
Item	Animal Control

10/21/2011 Photo of burrow on crown, photo was taken day after inspection.

mkhashch_f_20120927_099.jpg



Levee Mile Report Line	5
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

05/11/2011 Erosion at crown, vegetation shown at top of erosion is being supported by silt fence.

mkhashch_f_20120927_097.jpg



Levee Mile Report Line	5
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

10/21/2011 Erosion at crown, issue first noted in Spring 2011 inspection.

mkhashch_f_20120927_098.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of erosion at crown on waterside slope.

mkhashch_f_20121105_729.JPG



Levee Mile Report Line	6
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

05/11/2011 Erosion begins at crown, stakes shown in photo are supporting a silt fence. Silt fence is supporting soil and vegetation at crown.

mkhashch_f_20120927_100.jpg



Levee Mile Report Line	6
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

10/21/2011 Photo is taken from levee crown, issue has still not been addressed. Issue was noted in the Spring 2011 inspection.

mkhashch_f_20120927_101.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion site

SJR2012_RD2062U01RM54.14_1.jpg



Levee Mile Report Line	8
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the rip rap

SJR2012_RD2062U01RM54.14_2.jpg



Levee Mile Report Line	9
Start Levee Mile	1.18
End Levee Mile	1.40
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

10/20/2011 Berm is forming on the waterside edge of the crown. Berm is approximately 1' high in places.

mkhashch_f_20120927_106.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Large burrow located on waterside slope of levee.

mkhashch_f_20120927_102.jpg



Levee Mile Report Line	11
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Large burrow located near crown on waterside slope of levee.

mkhashch_f_20120927_103.jpg



Levee Mile Report Line	11
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Large burrow located on waterside slope of levee.

mkhashch_f_20120927_104.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of large burrow on waterside slope.

mkhashch_f_20121105_730.JPG



Levee Mile Report Line	15
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

05/11/2011 Damage seen in photo continues down the slope as if area was being used by equipment to access the bank.

mkhashch_f_20120927_105.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	4.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/17/2012 - 05/17/2012		10/25/2012 - 10/25/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Michael Moncrief MBK		Michael Moncrief MBK	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut				Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.11	0.49	Earthen Levee	Encroachments	WS	M	AT : Agricultural tilling Inspector Comments: Discing for weed control is creating a 2' scarp.	37.778969 ° -121.334198 °	37.783406 ° -121.338086 °	4 Y
DWR ID: DWR_RD2062_02_s_2012_4										
2	0.57	0.57	Earthen Levee	Encroachments	LS A/W	Ma	PI : Pipe Inspector Comments: Drainage discharge pipe to Paradise Cut.	37.784356 ° -121.338975 °	37.784356 ° -121.338975 °	5
DWR ID: DWR_RD2062_02_s_2012_5										
3	0.76	0.76	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe	37.786122 ° -121.341572 °	37.786122 ° -121.341572 °	8
DWR ID: DWR_RD2062_02_s_2012_8										
4	1.40	1.40	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: Irrigation intake from Paradise Cut.	37.791831 ° -121.350424 °	37.791831 ° -121.350424 °	10
DWR ID: DWR_RD2062_02_s_2012_10										
5	1.67	1.67	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: Two irrigation intakes.	37.794032 ° -121.354406 °	37.794032 ° -121.354406 °	11
DWR ID: DWR_RD2062_02_s_2012_11										
6	2.04	2.04	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow activity that appears to be active, no rodents seen.	37.797060 ° -121.359929 °	37.797060 ° -121.359929 °	12 Y
DWR ID: DWR_RD2062_02_s_2012_12										
7	2.10	2.10	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Multiple large burrows, appears to be active.	37.797558 ° -121.360815 °	37.797558 ° -121.360815 °	18 Y
DWR ID: DWR_RD2062_02_s_2012_18										
8	2.19	2.19	Earthen Levee	Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large single active burrow.	37.798304 ° -121.362138 °	37.798304 ° -121.362138 °	19 Y
DWR ID: DWR_RD2062_02_s_2012_19										
9	2.19	2.19	Earthen Levee	Animal Control	WS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Single active burrow on water side.	37.798304 ° -121.362138 °	37.798304 ° -121.362138 °	20
DWR ID: DWR_RD2062_02_s_2012_20										
10	2.54	3.94	Earthen Levee	Encroachments	LS	M	AT : Agricultural tilling Inspector Comments: Discing of the levee slope is the district's vegetation control method. Over time this could degrade the levee slope and create an integrity issue.	37.801211 ° -121.367142 °	37.808230 ° -121.390260 °	6 Y
DWR ID: DWR_RD2062_02_s_2012_6										
11	2.61	3.87	Earthen Levee	Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.801720 ° -121.368363 °	37.807312 ° -121.389477 °	7 Y
DWR ID: DWR_RD2062_02_f_2012_7										
12	2.81	2.81	Earthen Levee	Crown Surface / Depressions / Rutting	LS	C	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: Minor pothole that needs to be filled before it gets worse.	37.803447 ° -121.371092 °	37.803447 ° -121.371092 °	21
DWR ID: DWR_RD2062_02_s_2012_21										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut					Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
13	2.89	2.89	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Three small tree stumps.	37.803827 ° -121.372424 °	37.803827 ° -121.372424 °	3 Y
DWR ID: DWR_RD2062_02_s_2012_3										
14	2.94	2.94	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Four small oak stumps on levee slope.	37.804060 ° -121.373245 °	37.804060 ° -121.373245 °	13 Y
DWR ID: DWR_RD2062_02_s_2012_13										
15	3.03	3.03	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.804452 ° -121.374903 °	37.804452 ° -121.374903 °	14
DWR ID: DWR_RD2062_02_s_2012_14										
16	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.804481 ° -121.375510 °	37.804481 ° -121.375510 °	15
DWR ID: DWR_RD2062_02_s_2012_15										
17	3.12	3.12	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps. Inspector Comments: Four small stumps on levee slope.	37.804473 ° -121.376528 °	37.804473 ° -121.376528 °	16
DWR ID: DWR_RD2062_02_s_2012_16										
18	3.27	3.28	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 07/26/2012: Site was visited on 07/26/2012. No significant changes observed. 09/02/2011: : No significant changes observed on site from last visit. 09/22/2010: No significant changes observed on site. The fencing located on the berm was removed. Levee slope and berm area 10 feet from the levee toe are bare of any vegetation. The 1- to 2 feet of near-vertical scarp on the levee toe is unchanged. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, the district will address the site this year. 7/27/2009: 1 to 2 feet of near-vertical scarp on the levee toe; damage was most likely caused by agricultural equipment during clearing or tilling operation; this is a maintenance-related issue. [2012 Site ID:RD2062U02RM2.14]	37.804604 ° -121.379454 °	37.804604 ° -121.379454 °	1 Y
DWR ID:										
19	3.30	3.30	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma	Inspector Comments: Two discharge pipes. Third pipe was capped and plugged. Project to relocate pumps because of seepage boils, was permitted.	37.804748 ° -121.379697 °	37.804748 ° -121.379697 °	17
DWR ID: DWR_RD2062_02_s_2012_17										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Reclamation District No. 2062 Stewart

22	3.68	3.68	Earthen Levee	Trim / Thin Trees	WS N Ma	T5 : Tree stumps. Inspector Comments: Small stump on slope.	37.806231 ° -121.386209 °	37.806231 ° -121.386209 °	9 Y
							DWR ID: DWR_RD2062_02_s_ 2012_9		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.11
End Levee Mile	0.49
Location	Water Side
Category	Earthen Levee
Item	Encroachments

10/20/2011 Photo shows issue caused by discing (left side of photo) of the weeds on the waterside.

mkhashch_f_20120927_116.jpg



Levee Mile Report Line	6
Start Levee Mile	2.04
End Levee Mile	2.04
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of bait next to active burrow on landside slope.

mkhashch_f_20121105_731.JPG



Levee Mile Report Line	7
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Photo shows single large burrow, which appears to be active.

mkhashch_f_20120927_122.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of multiple burrow holes; the previously large burrow hole was not found at the time, but rodent activity is still present. 05/17/2012

mkhashch_f_20120927_123.jpg



Levee Mile Report Line	7
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of active burrows on landside slope.

mkhashch_f_20121105_732.JPG



Levee Mile Report Line	8
Start Levee Mile	2.19
End Levee Mile	2.19
Location	Land Side
Category	Earthen Levee
Item	Animal Control

10/20/211 Single large burrow on landside, appears to be active.

mkhashch_f_20120927_124.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing on levee slopes has created a substantial vertical scarp.

mkhashch_f_20120927_117.jpg



Levee Mile Report Line	10
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Discing on levee slopes has created two substantial vertical scarps.

mkhashch_f_20120927_118.jpg



Levee Mile Report Line	11
Start Levee Mile	2.61
End Levee Mile	3.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of tall vegetation at landside toe.

mkhashch_f_20121105_733.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Three small stumps on levee slope.

mkhashch_f_20120927_115.jpg



Levee Mile Report Line	14
Start Levee Mile	2.94
End Levee Mile	2.94
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on waterside slope.
05/17/2012

mkhashch_f_20120927_121.jpg



Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of scarp caused by a maintenance equipment.

SJR2012_RD2062U02RM2.14_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Close view of scarp.

SJR2012_RD2062U02RM2.14_2.jpg



Levee Mile Report Line	20
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site. Note the vertical scarp at the toe.

SJR2012_RD2062U02RM1.94_1.jpg



Levee Mile Report Line	21
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of bushy trees at levee toe obstructing visibility. 05/17/2012

mkhashch_f_20120927_126.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	22
Start Levee Mile	3.68
End Levee Mile	3.68
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
05/11/2011 Small stump in waterside slope.	
mkhashch_f_20120927_119.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/17/2012 - 05/17/2012		10/25/2012 - 10/25/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Michael Moncrief MBK		Michael Moncrief MBK	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Reclamation District No. 2062 Stewart

DWR ID:Page 1 of 12

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River				Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
7	0.33	0.33	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings	37.810990 ° -121.384787 °	37.810990 ° -121.384787 °	13
								DWR ID: DWR_RD2062_03_f_2012_13		
8	0.35	0.35	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The site is right at the downstream of a river bend. [2012 Site ID:RD2062U03RM30.27]	37.811281 ° -121.384461 °	37.811281 ° -121.384461 °	20 Y
								DWR ID:		
9	0.46	0.46	Earthen Levee	Encroachments	WS	M Ma	PR : Prunings Inspector Comments: Bamboo prunings left on levee slope. 10/20/2011 Prunings are still present. 05/11/2011 Prunings are still present, item first noted in Fall 2010 inspection.	37.811805 ° -121.382932 °	37.811805 ° -121.382932 °	8 Y
								DWR ID: DWR_RD2062_03_s_2012_8		
10	0.52	0.52	Earthen Levee	Encroachments	WSA/W	PI : Pipe En	Inspector Comments: Water intake pump station; 16" pipe	37.812687 ° -121.382800 °	37.812687 ° -121.382800 °	52
								DWR ID: DWR_RD2062_03_s_2012_52		
11	0.56	0.57	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant changes observed on site. 09/07/2010: No significant changes observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope. 08/06/2010: Recommended as local maintenance issue, per CLRO Report. 03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year. 09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U". 11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2012 Site ID:RD2062U03RM30.43]	37.813070 ° -121.383100 °	37.813070 ° -121.383100 °	24 Y
								DWR ID:		
12	0.56	0.56	Earthen Levee	Encroachments	WS	C Ma	DE : Debris Inspector Comments: Trash and debris needs to be removed.	37.813214 ° -121.382989 °	37.813214 ° -121.382989 °	9
								DWR ID: DWR_RD2062_03_s_2012_9		
13	0.61	0.61	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Stump in slope.	37.813570 ° -121.382094 °	37.813570 ° -121.382094 °	10 Y
								DWR ID: DWR_RD2062_03_s_2012_10		
14	0.65	0.65	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: 2 stumps on waterside slope.	37.813894 ° -121.381680 °	37.813894 ° -121.381680 °	12
								DWR ID: DWR_RD2062_03_s_2012_12		

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	

15	0.82	0.82	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	37.816315 ° -121.381587 °	37.816315 ° -121.381587 °	11 Y
DWR ID: DWR_RD2062_03_s_2012_11										

16	1.20	1.21	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant changes observed on site. 09/07/2010: No significant changes observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year. 09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12,LM1.25; previously rated "U". 09/14/2006: 1-2' into prism. [2012 Site ID:RD2062U03RM31.12]	37.819290 ° -121.378880 °	37.819290 ° -121.378880 °	27 Y
DWR ID:										

17	1.37	1.37	Earthen Levee	Vegetation	WSA/W	Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush blocks visibility.	37.820885 ° -121.376986 °	37.820885 ° -121.376986 °	18 Y
DWR ID: DWR_RD2062_03_s_2012_18										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	1.42	1.43	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: No significant changes observed on site. 09/07/2010: No significant changes observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' in 2010. 09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3,LM1.45; previously rated "M". 11/05/2008: Portion of rip rap collapsing. 09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree. [2012 Site ID:RD2062U03RM31.28]	37.821380 ° -121.376900 °	37.821380 ° -121.376900 °	29 Y
DWR ID:										
19	1.52	1.52	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.821388 ° -121.374947 °	37.821388 ° -121.374947 °	14
DWR ID: DWR_RD2062_03_s_2012_14										
20	1.67	1.67	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.820890 ° -121.372227 °	37.820890 ° -121.372227 °	15
DWR ID: DWR_RD2062_03_s_2012_15										
21	1.78	1.78	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.820902 ° -121.370565 °	37.820902 ° -121.370565 °	16
DWR ID: DWR_RD2062_03_s_2012_16										
22	2.15	2.15	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Irrigation intake.	37.818645 ° -121.364894 °	37.818645 ° -121.364894 °	19
DWR ID: DWR_RD2062_03_s_2012_19										
23	2.80	2.80	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Irrigation intake	37.816364 ° -121.354348 °	37.816364 ° -121.354348 °	21
DWR ID: DWR_RD2062_03_s_2012_21										
24	2.83	2.83	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.816341 ° -121.354008 °	37.816341 ° -121.354008 °	22
DWR ID: DWR_RD2062_03_s_2012_22										
25	2.90	2.90	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.816330 ° -121.352775 °	37.816330 ° -121.352775 °	23
DWR ID: DWR_RD2062_03_s_2012_23										
26	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.817791 ° -121.350088 °	37.817791 ° -121.350088 °	25
DWR ID: DWR_RD2062_03_s_2012_25										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River						Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
27	3.14	3.14	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.818532 ° -121.349510 °	37.818532 ° -121.349510 °	26
DWR ID: DWR_RD2062_03_s_2012_26										
28	3.44	3.44	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.819172 ° -121.345760 °	37.819172 ° -121.345760 °	28
DWR ID: DWR_RD2062_03_s_2012_28										
29	3.80	3.80	Earthen Levee	Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Beaver damaged a tree; remove from slope.	37.817160 ° -121.340933 °	37.817160 ° -121.340933 °	53 Y
DWR ID: DWR_RD2062_03_s_2012_53										
30	4.20	4.20	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.820407 ° -121.338122 °	37.820407 ° -121.338122 °	33
DWR ID: DWR_RD2062_03_s_2012_33										
31	4.51	4.51	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.818027 ° -121.333612 °	37.818027 ° -121.333612 °	17
DWR ID: DWR_RD2062_03_f_2012_17										
32	4.82	4.82	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps. Inspector Comments: 14" stump on landside slope.	37.813986 ° -121.335821 °	37.813986 ° -121.335821 °	7 Y
DWR ID: DWR_RD2062_03_s_2012_7										
33	4.83	4.83	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.812791 ° -121.336074 °	37.812791 ° -121.336074 °	43 Y
DWR ID: DWR_RD2062_03_s_2012_43										
34	5.45	5.45	Earthen Levee	Encroachments	WSA/W	Ma	PI : Pipe Inspector Comments: Two large irrigation intake pumps and pipes.	37.807321 ° -121.331292 °	37.807321 ° -121.331292 °	34
DWR ID: DWR_RD2062_03_s_2012_34										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	-0.03
End Levee Mile	0.07
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of erosion

SJR2012_RD2062U03RM29.93_1.jpg



Levee Mile Report Line	2
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree stumps on waterside slope.

mkhashch_f_20121105_734.JPG



Levee Mile Report Line	3
Start Levee Mile	0.10
End Levee Mile	0.11
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

close view of the site

SJR2012_RD2062U03RM30.02_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site. The erosion is vertical

SJR2012_RD2062U03RM30.1_1.jpg



Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the 5-ft vertical scarp .

SJR2012_RD2062U03RM30.19_1.jpg



Levee Mile Report Line	8
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the erosion.

SJR2012_RD2062U03RM30.27_1.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/11/2011 Bambo prunings have not been removed. This item was noted in the Fall 2010 inspection.

mkhashch_f_20120927_144.jpg



Levee Mile Report Line	9
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Encroachments

10/20/2011 Bamboo (Arundo) cuttings still present issue is not being addressed.

mkhashch_f_20120927_145.jpg



Levee Mile Report Line	11
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Close view of the site.

SJR2012_RD2062U03RM30.43_1.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

mkhashch_f_20120927_147.jpg



Levee Mile Report Line	15
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of slope erosion from foot traffic.

mkhashch_f_20121105_735.JPG



Levee Mile Report Line	16
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Existing scalloped erosion is immediately downstream of rip rap section.

SJR2012_RD2062U03RM31.12_1.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	17
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Water Side
Category	Earthen Levee
Item	Vegetation
05/11/2011 Elderberry bush on water side slope.	
mkhashch_f_20120927_150.jpg	



Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Close view of the site where a small to medium sized Oak tree is located.	
SJR2012_RD2062U03RM31.28_1.jpg	



Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
A closer look of the site near the oak tree	
SJR2012_RD2062U03RM31.28_2.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note existing broken concrete on the upper slope as well as on the lower slope and at the toe.

SJR2012_RD2062U03RM31.28_3.jpg



Levee Mile Report Line	29
Start Levee Mile	3.80
End Levee Mile	3.80
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of damaged tree by beaver on waterside slope.

mkhashch_f_20121105_736.JPG



Levee Mile Report Line	32
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

mkhashch_f_20120927_143.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/25/2012 10/25/2012	Maksim Khashchuk

Levee Mile Report Line	33
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrow on levee slope.

mkhashch_f_20120927_167.jpg



Levee Mile Report Line	33
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrows on levee slope.

mkhashch_f_20120927_168.jpg



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